ORDER NO. SD7811-1472

Service Manual

SU-8055/K

Stereo Integrated DC Amplifier

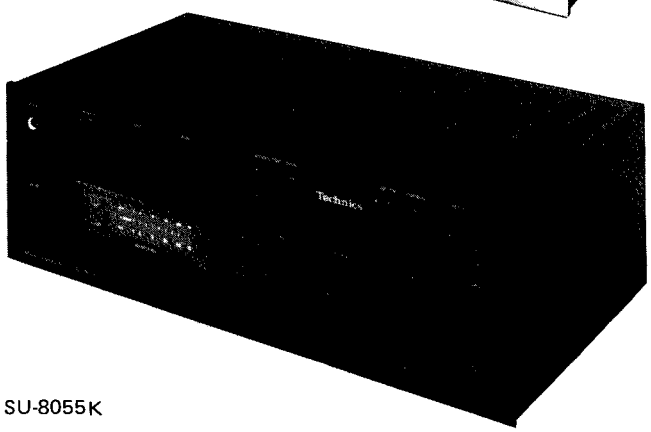
SU-8055

(X), (XA), (XAL), (XGH),
(E), (EG), (XE), (EB), (XGF)

SU-8055K

(X), (XA), (XAL), (XGH),
(E), (EG), (EB)

SU-8055



SU-8055K

* The models SU-8055 (X, XA) and SU-8055K (X, XA) are available in Asia, Latin America, Middle East and Africa only.
* The models SU-8055 (XAL) and SU-8055K (XAL) are available in Australia only.
* The models SU-8055 (XGH) and SU-8055K (XGH) are available in Holland only.
* The models SU-8055 (E, EG) and SU-8055K (E, EG) are available in Scandinavia and European only.
* The model SU-8055 (XE) is available in United Kingdom only.
* The models SU-8055 (EB) and SU-8055K (EB) are available in Belgium only.
* The model SU-8055 (XGF) is available in France only.

TECHNICAL SPECIFICATIONS

Specifications are subject to change without notice for further improvement.

[DIN 45 500]

AMPLIFIER SECTION

1 kHz continuous power output		
both channels driven		2 x 56 W (4Ω), 2 x 50 W (8Ω)
40 Hz ~ 16 kHz continuous power output		
both channels driven		2 x 48 W (4Ω), 2 x 47 W (8Ω)
20 Hz ~ 20 kHz continuous power output		
both channels driven		2 x 48 W (4Ω), 2 x 47 W (8Ω)
Power bandwidth		
both channels driven, –3 dB		5 Hz ~ 30 kHz (4Ω) 5 Hz ~ 40 kHz (8Ω)
Total harmonic distortion		
rated power at 1 kHz		0.03% (4Ω), 0.02% (8Ω)
rated power at 40 Hz ~ 16 kHz		0.03% (4Ω), 0.02% (8Ω)
rated power at 20 Hz ~ 20 kHz		0.03% (4Ω), 0.02% (8Ω)
half power at 20 Hz ~ 20 kHz		0.01% (8Ω)
half power at 1 kHz		0.008% (8Ω)
–26 dB power at 1 kHz		0.15% (4Ω)
50mW power at 1 kHz		0.2% (4Ω)
Intermodulation distortion		
rated power at 250 Hz: 8 kHz = 4:1, 4Ω		0.03%
rated power at 60 Hz: 7 kHz = 4:1, SMPTE, 8Ω		0.02%
Residual hum & noise		0.8 mV (0.8 mV, IHF, A)
Damping factor		18 (4Ω), 36(8Ω)
Input sensitivity and impedance		
PHONO MM		2.5 mV/47 kΩ
PHONO MC		170μV/100Ω
TUNER, AUX		150 mV/47 kΩ
TAPE 1, REC/PLAY		180 mV/33 kΩ
TAPE 2		150 mV/33 kΩ
PHONO maximum input voltage (1 kHz, RMS)	**MM**	150 mV
	MC	6.5 mV
S/N rated power at 4Ω	**PHONO MM**	73 dB (IHF, A: 85 dB)
	PHONO MC	60 dB (IHF, A: 66 dB)
	TUNER, AUX	86 dB (IHF, A: 97 dB)
–26 dB power at 4Ω	**PHONO MM**	62 dB
	PHONO MC	58 dB
	TUNER, AUX	63 dB
50 mW power at 4Ω	**PHONO MM**	58 dB
	PHONO MC	56 dB
	TUNER, AUX	60 dB
Frequency response	**PHONO**	RIAA standard curve
		30 Hz ~ 15 kHz, ±0.5 dB
	TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0.5 dB
		10 Hz ~ 60 kHz, –1 dB
Tone controls	**BASS**	50 Hz, +10 dB ~ –10 dB
	TREBLE	20 kHz, +10 dB ~ –10 dB
High filter		7 kHz, –6 dB/oct
Subsonic filter		30 Hz, –6 dB/oct
Loudness control (volume at –30 dB)		50 Hz, +9 dB
Output voltage and impedance	**REC OUT**	150 mV
	REC/PLAY	30 mV/82 kΩ
Channel balance (250 Hz ~ 6300 Hz), AUX		±1.0 dB
Channel separation at 1 kHz, AUX		60 dB
Headphones output level and impedance		440 mV/330Ω
Load impedance	**MAIN or REMOTE**	4 ~ 16Ω
	MAIN + REMOTE	8 ~ 16Ω

GENERAL

Power consumption	500 W
Power supply (50 Hz/60 Hz)	110V/120V/220V/240V
Dimensions (W x H x D)	430 x 142 x 255 mm
Weight	7.7 kg

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

TECHNISCHE DATEN
Spezifikationen können infolge von Verbesserungen ohne Ankündigung geändert werden.

[DIN 45 500]

VERSTÄRKERTEIL

RMS-Dauertonleistung bei 1 kHz
beide Kanäle zusammen ausgesteuert: 2 x 56 W (4Ω), 2 x 50 W (8Ω)

RMS-Dauertonleistung bei 40 Hz ~ 16 kHz
beide Kanäle zusammen ausgesteuert: 2 x 48 W (4Ω), 2 x 47 W (8Ω)

RMS-Dauertonleistung bei 20 Hz ~ 20 kHz
beide Kanäle zusammen ausgesteuert: 2 x 48 W (4Ω), 2 x 47 W (8Ω)

Leistungsbandbreite
beide Kanäle zusammen ausgesteuert, −3 dB: 5 Hz ~ 30 kHz (4Ω), 5 Hz ~ 40 kHz (8Ω)

Harmonische Verzerrungen

Nennausgangsleistung bei 1 kHz	0,03% (4Ω), 0,02% (8Ω)
Nennausgangsleistung bei 40 Hz ~ 16 kHz	0,03% (4Ω), 0,02% (8Ω)
Nennausgangsleistung bei 20 Hz ~ 20 kHz	0,03% (4Ω), 0,02% (8Ω)
Halber Ausgangsleistung bei 20 Hz ~ 20 kHz	0,01% (8Ω)
Halber Ausgangsleistung bei 1 kHz	0,008% (8Ω)
−26 dB Ausgangsleistung bei 1 kHz	0,15% (4Ω)
50 mW Ausgangsleistung bei 1 kHz	0,2% (4Ω)

Intermodulationsverzerrung

Nennausgangsleistung bei 250 Hz: 8 kHz = 4:1, 4Ω	0,03%
Nennausgangsleistung bei 60 Hz: 7 kHz = 4:1, 8Ω	0,02%

Brummen & Rauschen	0,8 mV (0,8 mV, IHF A)
Dämpfungsfaktor	18 (4Ω), 36 (8Ω)

Eingangsempfindlichkeit & Impedanz

PHONO MM	2,5 mV/47 kΩ
PHONO MC	170μV/100Ω
TUNER, AUX	150 mV/47 kΩ
TAPE 1, REC/PLAY	180 mV/33 kΩ
TAPE 2	150 mV/33 kΩ

PHONO Maximale Eingangsspannungen (1 kHz RMS)

MM	150 mV
MC	6,5 mV

Fremdspannungsabstand
Nennausgangsleistung bei 4Ω

PHONO MM	73 dB (IHF, A: 85 dB)
PHONO MC	60 dB (IHF, A: 66 dB)
TUNER, AUX	86 dB (IHF, A: 97 dB)

−26 dB Ausgangsleistung bei 4Ω	PHONO MM	62 dB
	PHONO MC	58 dB
	TUNER, AUX	63 dB
50 mW Ausgangsleistung bei 4Ω	PHONO MM	58 dB
	PHONO MC	56 dB
	TUNER, AUX	60 dB
Frequenzgang PHONO		RIAA Standardkurve
TUNER, AUX, TAPE		30 Hz ~ 15 kHz, ±0,5 dB 20 Hz ~ 20 kHz, ±0,5 dB 10 Hz ~ 60 kHz, −1 dB
Klangregler BÄSSE		50 Hz, +10 dB ~ −10 dB
HÖHEN		20 kHz, +10 dB ~ −10 dB

Höhenfilter (HIGH)	7 kHz, −6 dB/oct
Entzerrungs Unterschalifilter	30 Hz, −6 dB/oct
Gehörgerechte Lautstärkekorrektur (Lautstärke bei −30 dB)	50 Hz, +9 dB
Ausgangsspannungen & Impedanz REC OUT	150 mV
REC/PLAY	30 mV/82 kΩ
Kanalabweichung (250 Hz ~ 6300 Hz), AUX	±1,0 dB
Kanaltrennung bei 1 kHz, AUX	60 dB
Kopfhörerpegel und Ausgangsimpedanz	440 mV/330Ω
Lautsprecher-Ausgangsimpedanz	
MAIN oder REMOTE	4 ~ 16Ω
MAIN und REMOTE	8 ~ 16Ω

ALLGEMEINE DATEN

Leistungsaufnahme	500 W
Netzspannung umschaltbar (50 Hz/60 Hz)	110V/120V/220V/240V
Abmessungen (B x H x T)	430 x 142 x 255 mm
Gewicht	7,7 kg

CARACTERISTIQUES TECHIQUES
Sujet à changement sans préaris.

[DIN 45 500]

PARTIE AMPLIFICATEUR

Puissance RMS (continue) à 1 kHz
pour l'ensemble des canaux excités: 2 x 56 W (4Ω), 2 x 50 W (8Ω)

Puissance RMS (continue) à 40 Hz ~ 16 kHz
pour l'ensemble des canaux excités: 2 x 48 W (4Ω), 2 x 47 W (8Ω)

Puissance RMS (continue) à 20 Hz ~ 20 kHz
pour l'ensemble des canaux excités: 2 x 48 W (4Ω), 2 x 47 W (8Ω)

Largeur de bande de puissance
pour l'ensemble des canaux excités, −3 dB: 5 Hz ~ 30 kHz (4Ω), 5 Hz ~ 40 kHz (8Ω)

Distorsion harmonique totale

pour la puissance mesurée à 1 kHz	0,03% (4Ω), 0,02% (8Ω)
pour la puissance mesurée à 40 Hz ~ 16 kHz	0,03% (4Ω), 0,02% (8Ω)
pour la puissance mesurée à 20 Hz ~ 20 kHz	0,03% (4Ω), 0,02% (8Ω)
pour la demi-puissance mesurée à 20 Hz ~ 20 kHz	0,01% (8Ω)
pour la demi-puissance mesurée à 1 kHz	0,008% (8Ω)
pour une puissance mesurée de −26 dB, 1 kHz	0,15% (4Ω)
pour une puissance mesurée de 50 mW, 1 kHz	0,2% (4Ω)

Distorsion d'intermodulation

pour la puissance mesurée à 250 Hz: 8 kHz = 4:1, 4Ω	0,03%
pour la puissance mesurée à 60 Hz: 7 kHz = 4:1, 8Ω	0,02%

Tension résiduelle de bruit	0,8 mV (0,8 mV IHF A)
Facteur d'amortissement	18 (4Ω), 36 (8Ω)

Sensibilité & impédance d'entrée

PHONO MM	2,5 mV/47 kΩ
PHONO MC	170 μV/100Ω
TUNER, AUX	150 mV/47 kΩ
TAPE 1, REC/PLAY	180 mV/33 kΩ
TAPE 2	150 mV/33 kΩ

Voltage d'entrée maximum (PHONO, 1 kHz, RMS)

MM	150 mV
MC	6.5 mV

Rapport signal/bruit
pour la puissance nominale, 4Ω

PHONO MM	73 dB (IHF, A: 85 dB)
PHONO MC	60 dB (IHF, A: 66 dB)
TUNER, AUX	86 dB (IHF, A: 97 dB)

pour une sortie de −26 dB, 4Ω	PHONO MM	62 dB
	PHONO MC	58 dB
	TUNER, AUX	63 dB
pour une sortie de 50 mW, 4Ω	PHONO MM	58 dB
	PHONO MC	56 dB
	TUNER, AUX	60 dB

Réponse de fréquence

PHONO	Courbe standard RIAA
TUNER, AUX, TAPE	30 Hz ~ 15 kHz, ±0,5 dB 20 Hz ~ 20 kHz, ±0,5 dB 10 Hz ~ 60 kHz, −1 dB

Réglage de la tonalité

BASS (graves)	50 Hz, +10 dB ~ −10 dB
TREBLE (aigus)	20 kHz, +10 dB ~ −10 dB

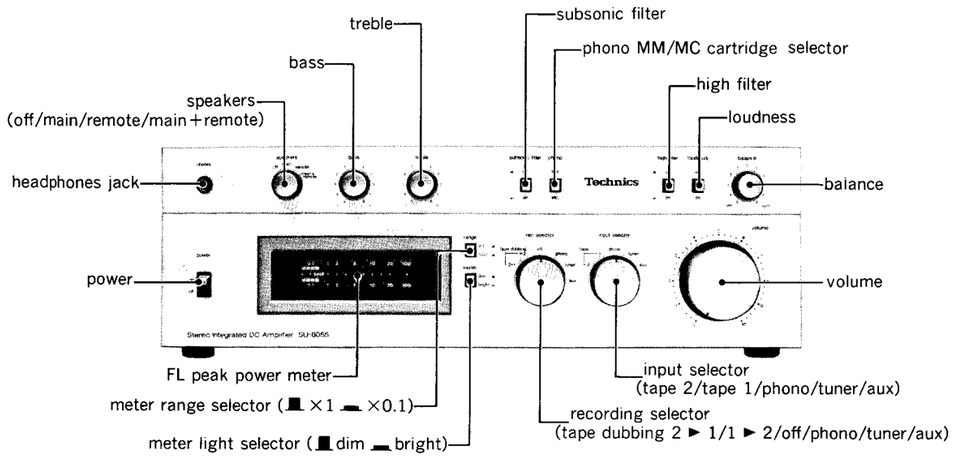
Filtrage intra acousdique compensateur	30 Hz, −6 dB/oct
Filtre Aigu (HIGH)	7 kHz, −6 dB/oct
Correction physiologique (volume à −30 dB)	50 Hz, +9 dB
Tension de sortie & impédance REC OUT	150 mV
REC/PLAY	30 mV/82 kΩ
Equilibrage de canaux (250 Hz ~ 6300 Hz), AUX	±1,0 dB
Séparation des canaux, AUX 1 kHz	60 dB
Niveau du casque et impédance de sortie	400 mV/330Ω
Impédance de charge PRINCIPALE ou ELOIGNEE	4 ~ 16Ω
PRINCIPALE + ELOIGNEE	8 ~ 16Ω

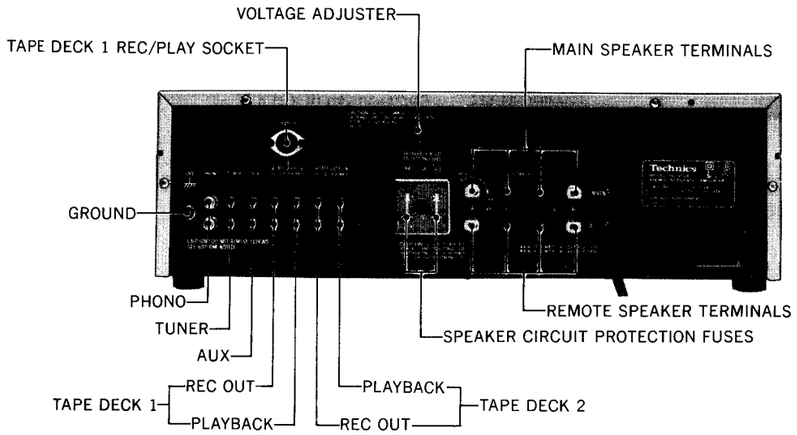
GENERALITES

Consommation	500 W
Alimentation (50 Hz/60 Hz)	110V/120V/220V/240V
Dimensions (L x H x Pr)	430 x 142 x 255 mm
Poids	7,7 kg

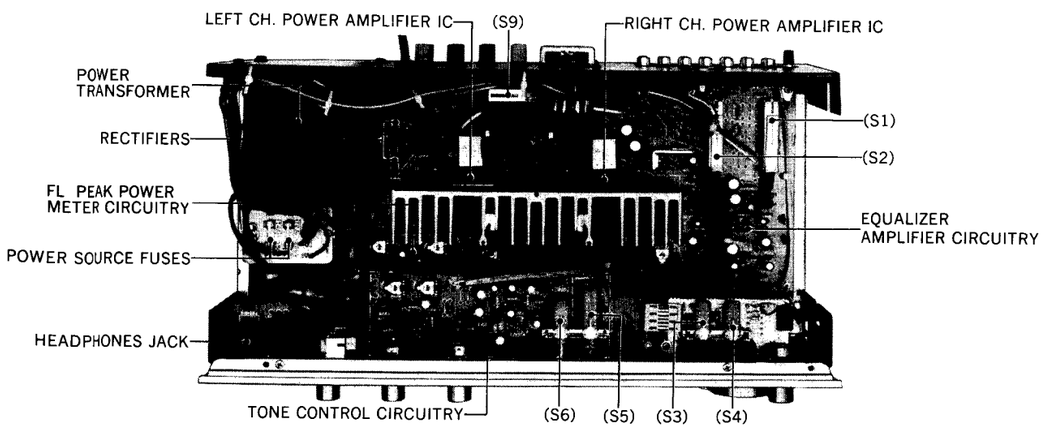
SU-8055/K

■ LOCATION OF CONTROLS





- **The products for destinations (X) and (XA) are equipped with AC outlets.**



■ NOTE

The unit is provided with the speaker circuit protection fuses at the right and left channels respectively. The fuse is to prevent the power IC from destruction, should the speaker terminals be short-circuited. Accordingly, if the unit fails to function upon completion of the speaker connections, check the speaker circuit protection fuses first of all for possible blowing.

■ HOW TO REMOVE THE AMPLIFIER CABINET, BOTTOM PLATE AND FRONT PANE

1. Remove the 4 setscrews (① ~ ④ in Fig. 1) on the side and 4 setscrews (⑤ ~ ⑧ in Photo 1) on the back of the amplifier cabinet.
2. Shift the cabinet backward and lift it upward. (Arrow Ⓐ in Fig. 1)
3. When mounting the cabinet, completely fit the top lug of the cabinet with the front panel before tightening the setscrews. (See Fig. 1 [I] .)

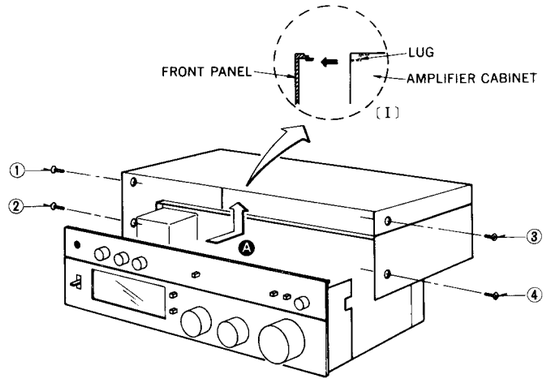


Fig. 1

PHOTO 1

How to detach the bottom plate

1. Remove the 2 setscrews (⑪ , ⑫ in Fig. 2) used to secure bottom plate and 4 setscrews (⑨, ⑩ , ⑬ , ⑭ in Fig. 2) for the legs. Then the bottom plate can be detached.

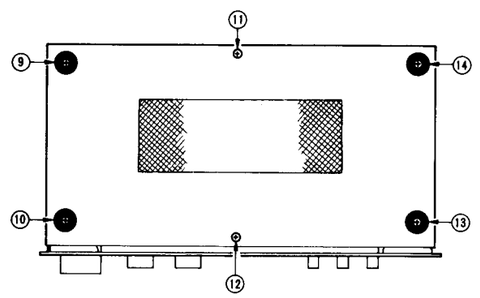


Fig. 2

How to detach the front panel

1. Remove the 4 setscrews (⑮ ~ ⑱ in Fig. 3) and then carefully pull the front panel toward you.

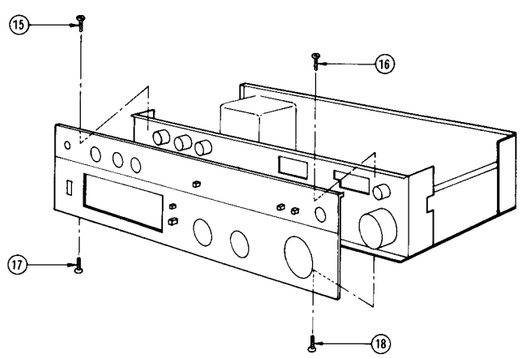
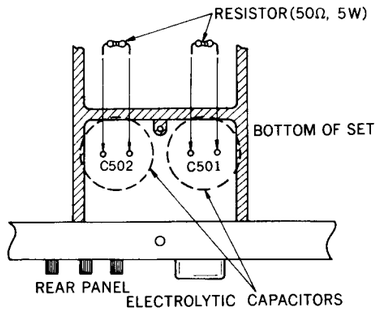


Fig. 3

■ BEFORE STARTING THE REPAIRING

Before adjusting or repairing, be sure to short-circuit opposite poles of the 8200μF capacitors (C501, 502) with a resistor approximately of "50Ω, 5W" for discharging the charged voltage.
Short-circuiting with a screw driver and the like is not only dangerous, but may destroy transistors and diodes, and should therefore be avoided.



■ ALIGNMENT INSTRUCTIONS ENGLISH

Setting

- Connect a low frequency oscillator to the tuner input terminal, and 8-ohm load resistor and AC electronic voltmeter to the speaker terminal.
- Add 1 kHz signal from the low frequency oscillator to the set.
- Set the sound volume to the maximum point.

Adjustment item	Meter range select switch position	Parts to be adjusted	Adjusting procedure
FL peak power meter	Range Switch... X0.1	R617 (Lch)	1. Adjust the input level so that the AC voltmeter indicates 0.7V. 2. Adjust R617 while observing the FL peak power meter so that the segment at 0.1W is about to turn on. (Fig. 4)
		R618 (Rch)	1. Adjust R618 in the same way as for Lch. If the indication of Lch changes, re-adjust R617.
	Range Switch... X1	R628 (Rch)	1. Adjust the input level so that the L-channel segment at 10 W of the FL peak power meter is about to turn on, and read the output voltage with the AC voltmeter. 2. Adjust the input level so that the R-channel output voltage becomes equal to the L-channel's one read above, then adjust R628 so that the R-channel segment at 10 W is about to turn on. (Fig. 5)
	Range Switch... X0.1	R618 (Rch)	1. Adjust the input level so that the AC voltmeter indicates 0.7V. Rotate R617 counterclockwise to turn them off. Again adjust R618 so that the segment at 0.1W is about to turn on.

Adjustment of DC unbalanced voltage

1) Connect the DC electronic voltmeter to the speaker terminals of L and R channels.
2) Set the power supply switch to "ON".
3) Shift the range knob of the DC voltmeter to as small measuring range as possible. Then adjust R413 (Lch) and R414 (Rch) so that the voltmeter indicates 0 V.

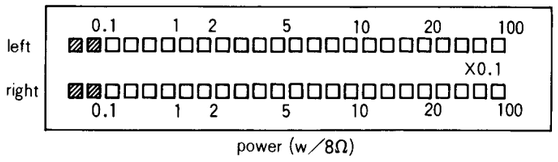


Fig. 4 (Abb. 4)

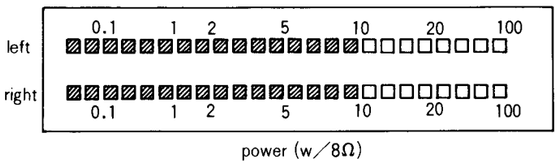


Fig. 5 (Abb. 5)

■ ANWEISUNGES FÜR ABGLEICHUNG DEUTSCH

Einstellung

- Einen Niederfrequenzoszillator an die Eingangsklemme des Tuners schließen und parallel zu 8-ohm Belastungswiderstand den elektronischen Wechselstrom-Voltmeter an die Lautsprecherklemme schließen.
- 1 kHz Signal aus dem Niederfrequenzoszillator in das Gerät speisen.
- Lautstärkeregler auf den minimalen Punkt einstellen.

Justierung	Stellung des Meterbereichswählers	Zu justierende Teile	Jusierungsvorgang
FL-Spitzenleistungsmeter	Bereichswähler auf X0.1	R617 (Linker Kanal)	1. Den Eingangspegel so justieren, daß der Wechselstrom-Voltmeter 0,7 V anzeigt. 2. Unter Beobachtung des FL-Spitzenleistungsmeters R617 so justieren, daß das Segment an 0,1 W aufzuleuchten beginnt. (Abb. 4)
		R618 (Rechter K.)	1. R618 in der gleichen Weise wie bei linkem Kanal justieren. Bei Änderung der Anzeige des linken Kanals R617 wiederjustieren.
	Bereichswähler auf X1	R628 (Rechter K.)	1. Den Eingangspegel justieren, bis der L-Kanalabschnitt bei 10 W des FL-Spitzenleistungsmeters fast einschaltet, und am Wechselstromvoltmetre die Ausgangsspannung ablesen. 2. Den Eingangspegel justieren, bis die R-Kanalausgangsspannung der oben abgelesenen des L-Kanals gleichsteht, dann R628 justieren, bis der R-Kanalabschnitt bei 10 W fast einschaltet. (Abb. 5)
	Bereichswähler auf X0.1	R618 (Rechter K.)	1. Den Eingangspegel so justieren, daß der Wechselstrom-Voltmeter 0,7 V anzeigt. R617 im Gegensinn zum Uhrzeiger drehen, bis sie erlöschen. R618 wieder so justieren, daß das Segment an 0,1 W aufzuleuchten beginnt.

Justierung der unausgeglichenen Gleichstromspannung

1) Den ktronischen Gleichstrom-Voltmeter an die Lautsprecherklemme des linken und rechten kanal schließen.
2) Den Netzschalter auf "ON" stellen.
3) Den Bereichknopf des Gleichstrom-Voltmeters auf den möglichst kleinen Meßbereich umschalten. Dann R413 (Linker K.) und R414 (Rechter K.) so justieren, daß der Voltmeter 0 V anzeigt.

■ INSTRUCTIONS D'ALIGNMENT FRANÇAIS

Réglage

- Brancher un oscillateur à basse fréquence à la borne de sortie du tuner et une résistance de charge de 8 ohms et un voltmètre électronique à la borne de l'enceinte.
- Par l'oscillateur à basse fréquence, appliquer un signal de 1 kHz à l'appareil.
- Régler le volume du son au maximum.

Elément de réglage	Position du commutateur de sélection de la gamme du compteur	Eléments à régler	Procédé de réglage
Compteur de puissance de crête de niveau de fréquence	Commutateur de gamme X0,1	R617 (CG)	1. Régler le niveau de sortie de telle sorte que la voltmétre CA indique 0,7 V. 2. Régler la R617 tout en observant le compteur de puissance de crête de niveau de fréquence, de telle sorte que le segment à 0,1 W soit sur le point d'être allumé.(Fig. 4)
		R618 (CD)	1. Régler le R618 de la même façon que pour le canal gauche (CG). Si l'indication du canal gauche est modifiée, re-régler le R617.
	Commutateur de gamme X1	R628 (CD)	1. Régler le niveau d'entrée de telle sorte que le segment du canal gauche à 10 W du compteur de puissance de crête FL, soit sur le point d'être branché et lire la tension de sortie avec un voltmètre CA. 2. Régler le niveau d'entrée de telle sorte que la tension de sortie du canal droit, soit égale à celle du canal gauche lue ci-dessus, puis régler le R628 de telle sorte que le segment du canal droit à 10 W soit sur le point d'être branché. (Fig. 5)
	Commutateur de gamme X0,1	R618 (CD)	1. Régler le niveau de sortie de telle sorte que le voltmètre CA indique 0,7 V. Tourner les R617 à gauche pour les éteindre. Régler de nouveau le R618 pour que le segment de 0,1 W soit sur le point d'être allumé.

Réglage de la tension CC déséquilibrée

1) Brancher un voltmètre électronique CC aux bornes de l'enceite des canaux droit et gauche.
2) Placer le commutateur d'alimentation sur "ON".
3) Déplacer le bouton de gamme du voltmètre CC sur la plus petite gamme de mesure possible. Puis régler le R413 (CG) et le R414 (CD) de telle sorte que le voltmètre indique 0 V.

OR(50Ω, 5W)

OTTOM OF SET

PACITORS

ctronic voltmeter

eter indicates
ower meter so n. (Fig. 4)
f the indication
l segment at o turn on, and eter.
output voltage above, then at 10 W is about
eter indicates rn them off. .1W is about

(Lch) and R414

20 100

20 100

)

■ ANWEISUNGES FÜR ABGLEICHUNG DEUTSCH

Einstellung ◦ Einen Niederfrequenzoszillator an die Eingangsklemme des Tuners schließen und parallel zu 8-ohm Belastungswiderstand den elektronischen Wechselstrom-Voltmeter an die Lautsprecherklemme schließen.
◦ 1 kHz Signal aus dem Niederfrequenzoszillator in das Gerät speisen.
◦ Lautstärkeregler auf den minimalen Punkt einstellen.

Justierung	Stellung des Meterbereichswählers	Zu justierende Teile	Jusierungsvorgang
FL-Spitzenleistungs-meter	Bereichswähler auf X0.1	R617 (Linker Kanal)	1. Den Eingangspegel so justieren, daß der Wechselstrom-Voltmeter 0,7 V anzeigt. 2. Unter Beobachtung des FL-Spitzenleistungsmeters R617 so justieren, daß das Segment an 0,1 W aufzuleuchten beginnt. (Abb. 4)
		R618 (Rechter K.)	1. R618 in der gleichen Weise wie bei linkem Kanal justieren. Bei Änderung der Anzeige des linken Kanals R617 wiederjustieren.
	Bereichswähler auf X1	R628 (Rechter K.)	1. Den Eingangspegel justieren, bis der L-Kanalabschnitt bei 10 W des FL-Spitzenleistungsmeters fast einschaltet, und am Wechselstromvoltmetre die Ausgangsspannung ablesen. 2. Den Eingangspegel justieren, bis die R-Kanalausgangsspannung der oben abgelesenen des L-Kanals gleichsteht, dann R628 justieren, bis der R-Kanalabschnitt bei 10 W fast einschaltet. (Abb. 5)
	Bereichswähler auf X0.1	R618 (Rechter K.)	1. Den Eingangspegel so justieren, daß der Wechselstrom-Voltmeter 0,7 V anzeigt. R617 im Gegensinn zum Uhrzeiger drehen, bis sie erlöschen. R618 wieder so justieren, daß das Segment an 0,1 W aufzuleuchten beginnt.

Justierung der unausgeglichenen Gleichstromspannung
1) Den ktronischen Gleichstrom-Voltmeter an die Lautsprecherklemme des linken und rechten kanal schließen.
2) Den Netzschalter auf "ON" stellen.
3) Den Bereichknopf des Gleichstrom-Voltmeters auf den möglichst kleinen Meßbereich umschalten. Dann R413 (Linker K.) und R414 (Rechter K.) so justieren, daß der Voltmeter 0 V anzeigt.

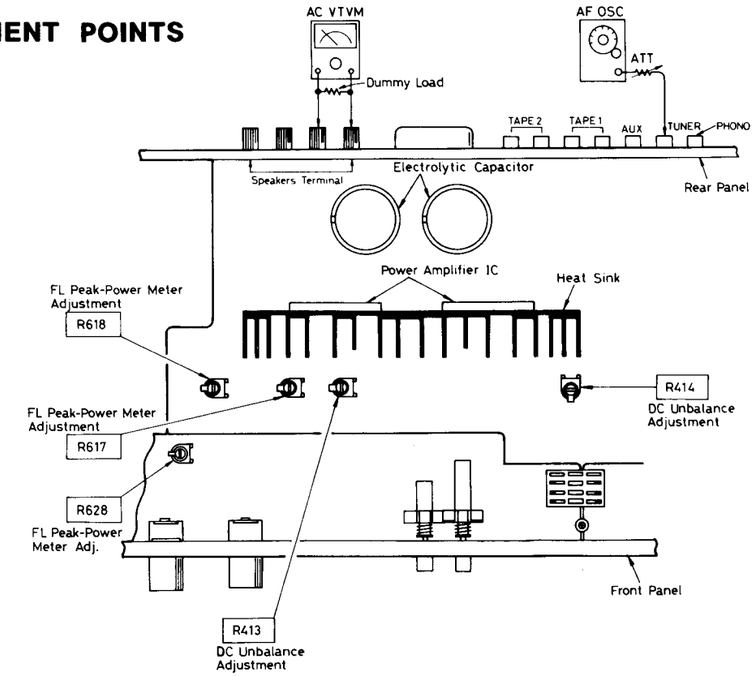
■ INSTRUCTIONS D'ALIGNMENT FRANÇAIS

Réglage ◦ Brancher un oscillateur à basse fréquence à la borne de sortie du tuner et une résistance de charge de 8 ohms et un voltmètre électronique à la borne de l'enceinte.
◦ Par l'oscillateur à basse fréquence, appliquer un signal de 1 kHz à l'appareil.
◦ Régler le volume du son au maximum.

Elément de réglage	Position du commutateur de sélection de la gamme du compteur	Eléments à régler	Procédé de réglage
Compteur de puissance de crête de niveau de fréquence	Commutateur de gamme X0,1	R617 (CG)	1. Régler le niveau de sortie de telle sorte que la voltmétre CA indique 0,7 V. 2. Régler la R617 tout en observant le compteur de puissance de crête de niveau de fréquence, de telle sorte que le segment à 0,1 W soit sur le point d'être allumé.(Fig. 4)
		R618 (CD)	1. Régler le R618 de la même façon que pour le canal gauche (CG). Si l'indication du canal gauche est modifiée, re-régler le R617.
	Commutateur de gamme X1	R628 (CD)	1. Régler le niveau d'entrée de telle sorte que le segment du canal gauche à 10 W du compteur de puissance de crête FL, soit sur le point d'être branché et lire la tension de sortie avec un voltmètre CA. 2. Régler le niveau d'entrée de telle sorte que la tension de sortie du canal droit, soit égale à celle du canal gauche lue ci-dessus, puis régler le R628 de telle sorte que le segment du canal droit à 10 W soit sur le point d'être branché. (Fig. 5)
	Commutateur de gamme X0,1	R618 (CD)	1. Régler le niveau de sortie de telle sorte que le voltmètre CA indique 0,7 V. Tourner les R617 à gauche pour les éteindre. Régler de nouveau le R618 pour que le segment de 0,1 W soit sur le point d'être allumé.

Réglage de la tension CC déséquilibrée
1) Brancher un voltmètre électronique CC aux bornes de l'enceite des canaux droit et gauche.
2) Placer le commutateur d'alimentation sur "ON".
3) Déplacer le bouton de gamme du voltmètre CC sur la plus petite gamme de mesure possible. Puis régler le R413 (CG) et le R414 (CD) de telle sorte que le voltmètre indique 0 V.

■ ALIGNMENT POINTS



■ HOW TO REMOVE THE POWER IC

1. Remove the solder of power IC for both Lch and Rch.
2. Remove the 3 setscrews (①~③ in Fig. 6) used to fasten the heat sink from the center bracket.
3. Remove the setscrew (④in Fig. 6) used to fasten the heat sink from the reinforece bracket.
4. Remove the heat sink along with power IC in the direction of arrow A (Fig. 7).
5. Remove the 2 setscrews (⑥ in Fig. 7) used to secure the power IC on the heat sink, and then pull the power IC in the direction of arrow B.
6. When mounting the power IC, apply silicone compound (or equivalent heat diffuser) to the back of power IC, and then follow the steps 1 ~ 5 reversely.

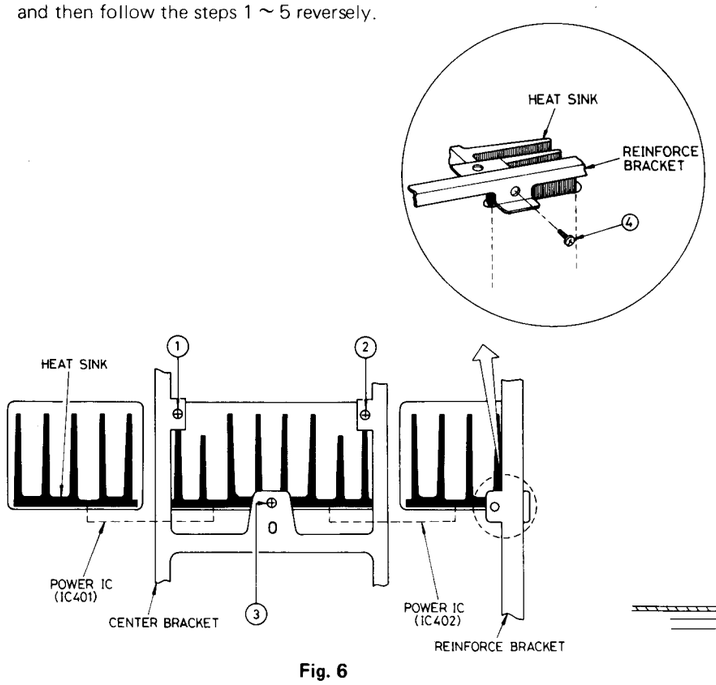


Fig. 6

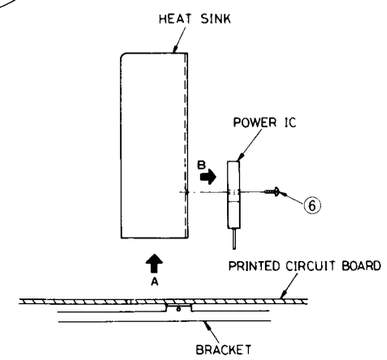
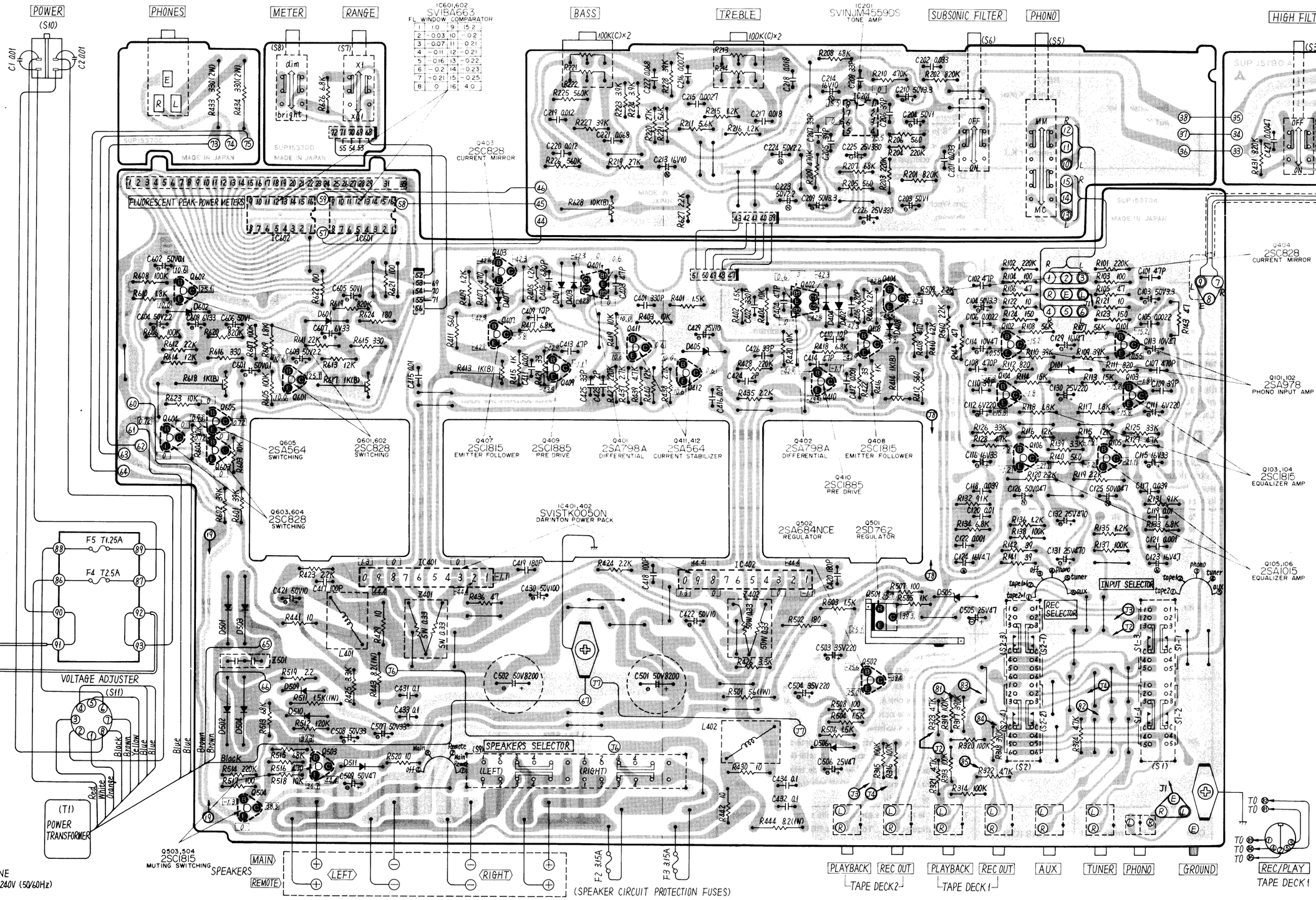


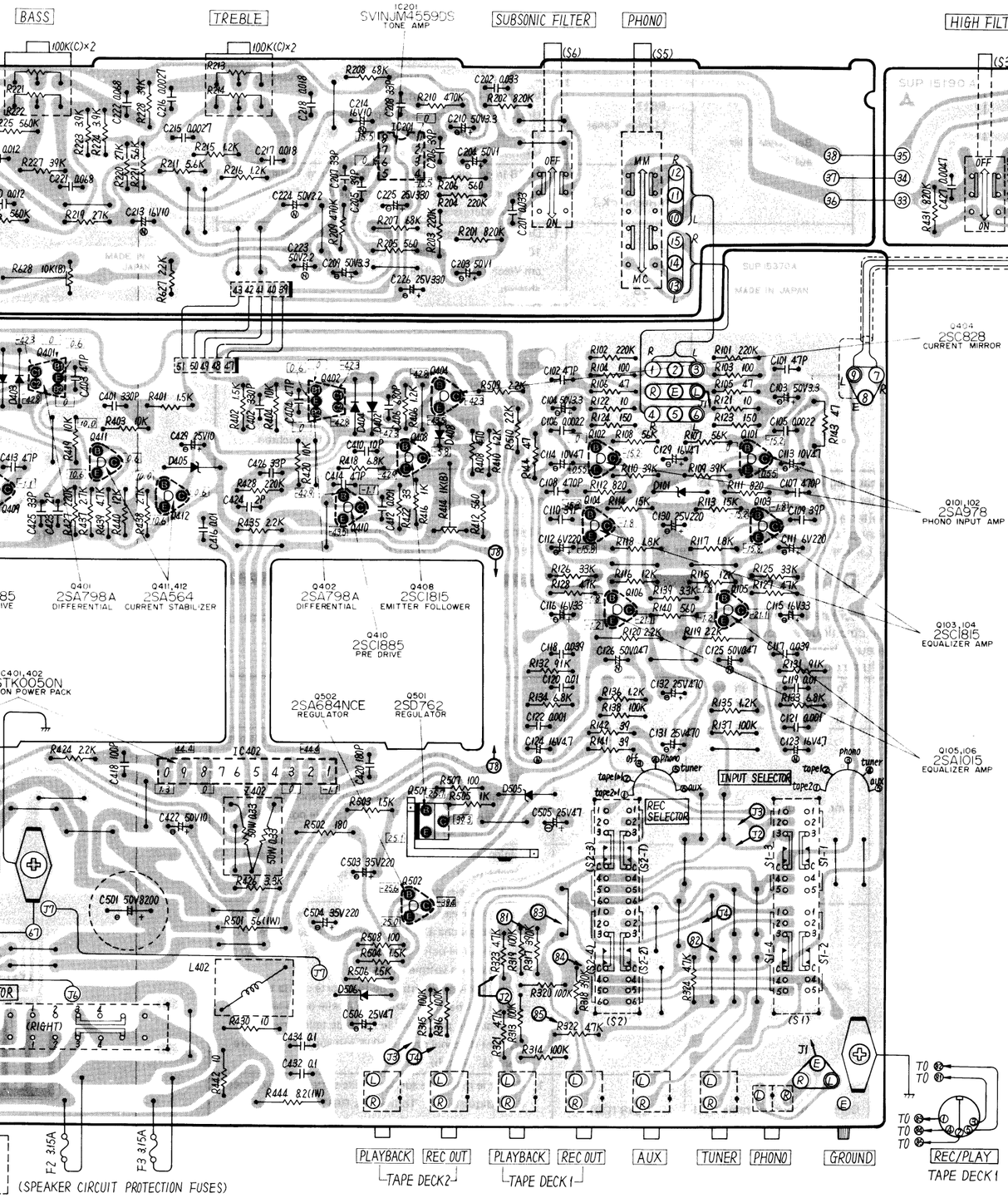
Fig. 7

■ PRINTED CIRCUIT BOARD WIRING VIEW

Earth (Ground) Lines



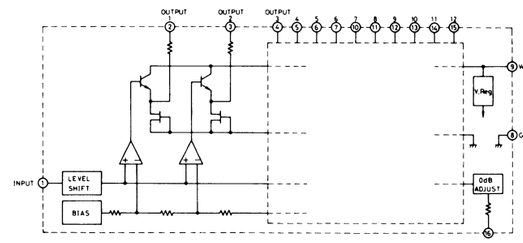
Earth (Ground) Lines



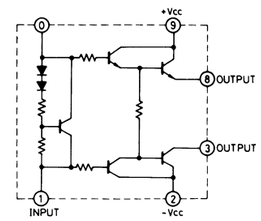
Notes:

1. **S1** : Input selector switch in "**PHONO**" position.
   ① TAPE 2 ⟷ ② TAPE 1 ⟷ ③ PHONO ⟷ ④ TUNER ⟷ ⑤ AUX
2. **S2** : Rec selector switch in "**OFF**" position.
   ① TAPE 2▶1 ⟷ ② TAPE 1▶2 ⟷ ③ OFF ⟷ ④ PHONO ⟷ ⑤ TUNER ⟷ ⑥ AUX
3. **S3** : High filter switch in "**OFF**" position.
4. **S4** : Loudness switch in "**OFF**" position.
5. **S5** : Phono MM/MC cartridge selector switch in **"MM"** position.
6. **S6** : Subsonic filter switch in **"OFF"** position.
7. **S7** : Range switch in "**X1**" position.
8. **S8** : Meter light selector switch in **"DIMMER"** position.
9. **S9** : Speaker switch in "**MAIN**" position
10. **S10** : Power switch in "**ON**" position.
11. **S11** : Voltage adjuster switch in **"240V"** position.
    (240V⟷220V⟷120V⟷110V)
12. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
    ( ) Standards values ( ) Bright
13. The **S** mark has been used for the indication of specified parts for an assurance of safety, but it has been changed to **Δ** mark. When replacing parts, be sure to use parts with correct numbers with reference to the circuit drawing or the repair parts list.
    S → **Δ** (new mark)
14. To represent transistors, **Q** is used instead of TR (Ex. TR1 → Q1)
15. Phono signal lines of left channel.
16. This schematic diagram may be modified at any time with the development of new technology.

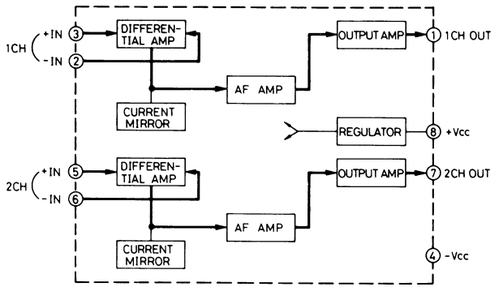
■ BLOCK DIAGRAM



IC601, 602 (SVIBA663)
FL Comparator

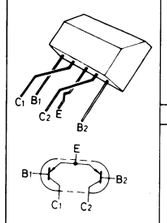
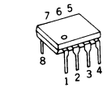
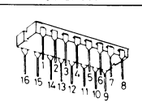
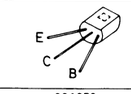
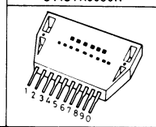
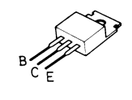
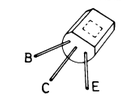


IC401, 402 (SVISTK0050N)
Power Amplifier

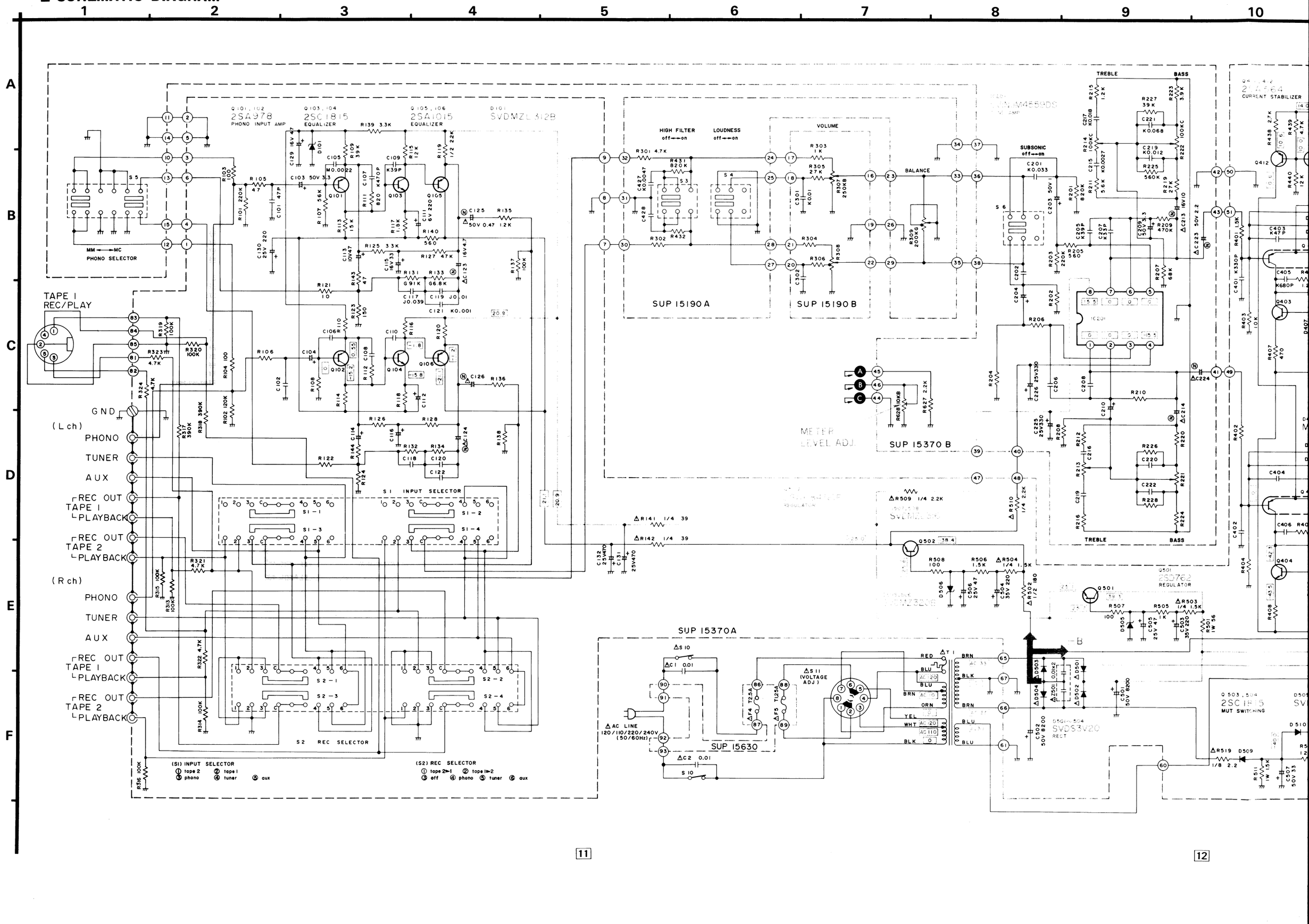


IC201 (SVINJM4559DS)
Tone Amplifier

■ TERMINAL GUIDE OF TRANSISTOR & IC

2SA798A	SVINJM4559DS	SVIBA663	2SA1015 2SC1815 2SA684NCE 2SA564 2SC828 2SC1885
			
	SVISTK0050N	2SC1913	2SA978
			

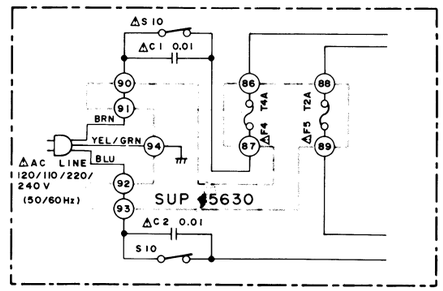
■ SCHEMATIC DIAGRAM



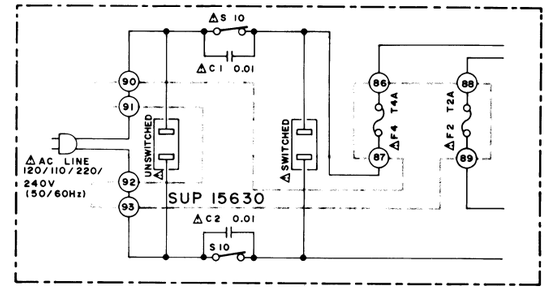
11 12

9 10 11 12 13 14 15 16 17 18 19

Ref. No.	Production Part	Standard Part
Q403, 404, 601, 602, 603, 604	2SC828	2SC1328-T
Q411, 412, 605	2SA564	2SA666AI-R

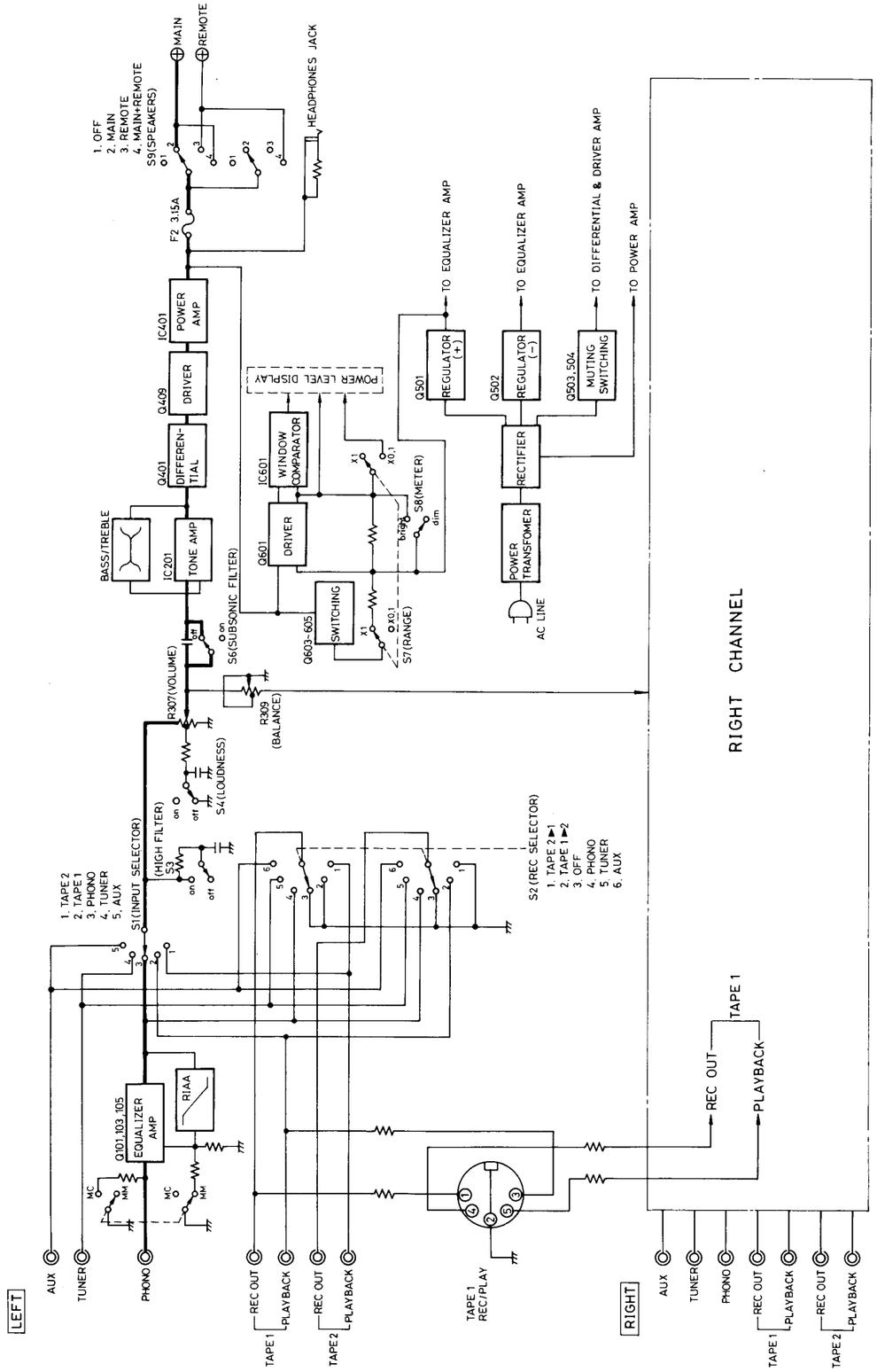


- **Power Supply Circuitry of Product For (XAL) only.**



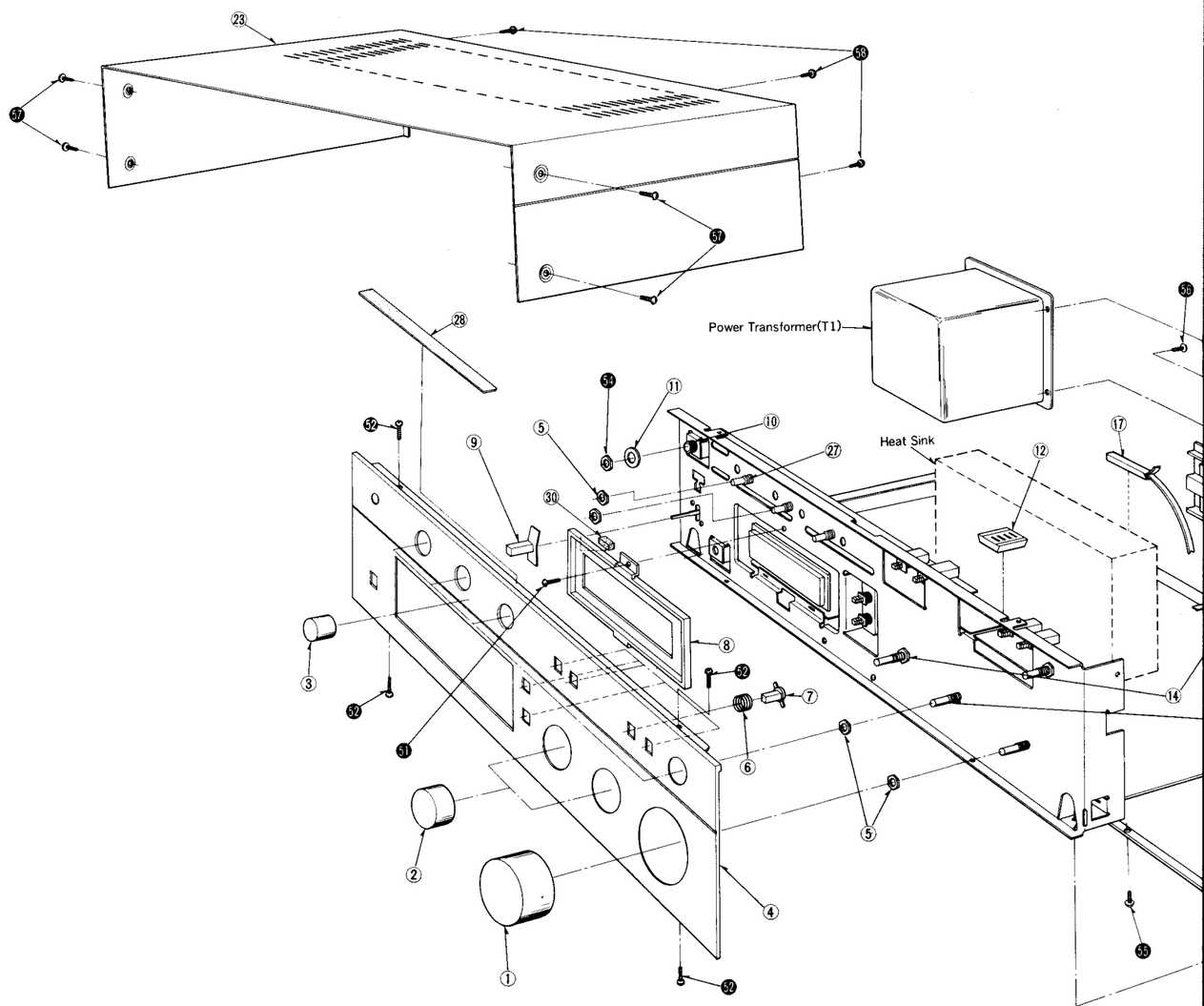
- **Power Supply Circuitry of Products For (X) and (XA).**

■ BLOCK DIAGRAM



RIGHT CHANNEL

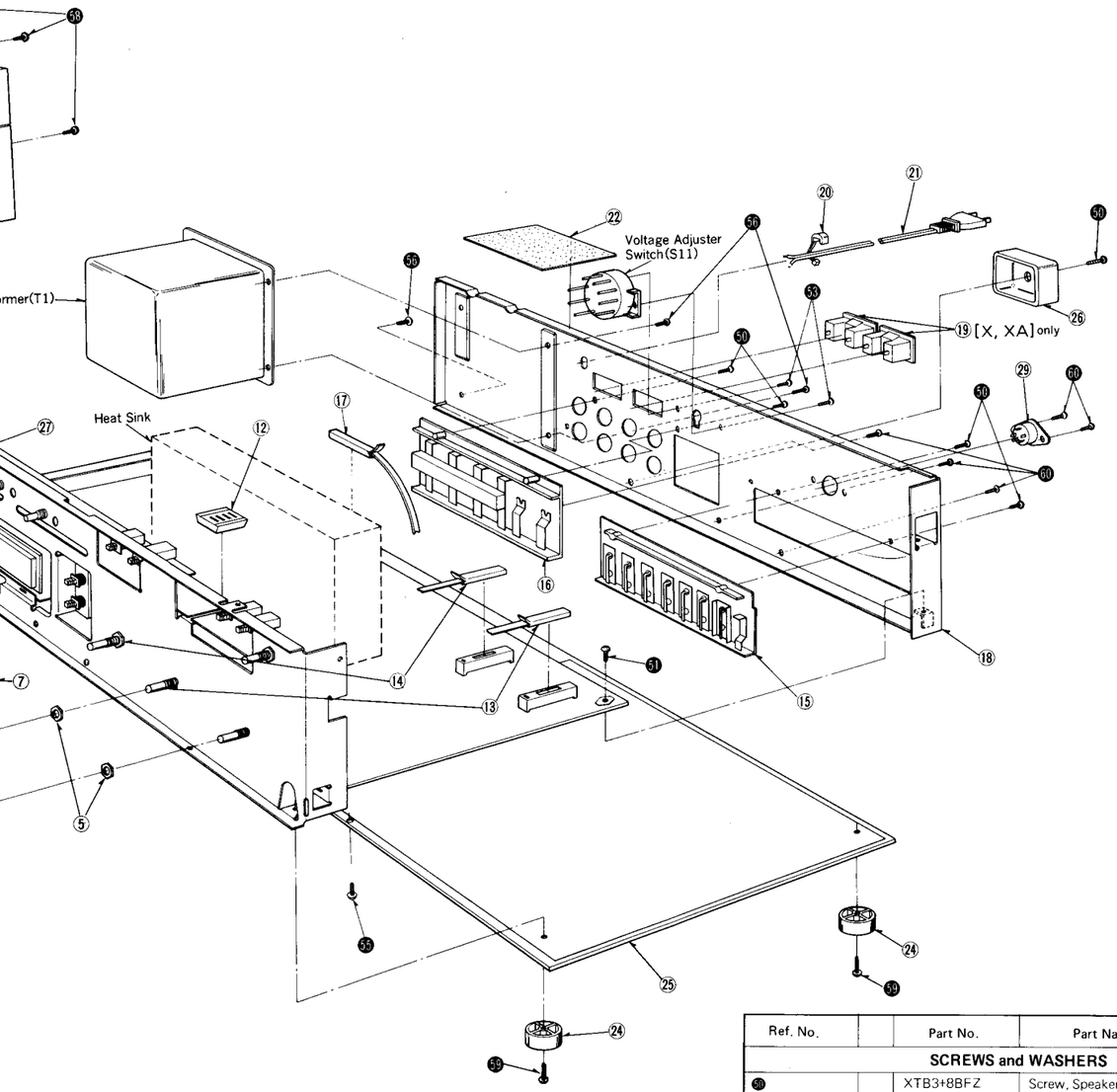
■ EXPLODED VIEWS



■ REPLACEMENT PARTS LIST

NOTES :
1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. ⚠ indicates that only parts specified by the manufacturer be used for safety.

Ref. No.		Part No.	Part Name & Description
		CABINET and CHASSIS PARTS	
1		SBN821	Knob, Volume
2		SBN823	Knob, Rec Selector & Input Selector
3		SBN825	Knob, Speakers Selector, Bass, Treble & Balance
4		SGWU8055D	Panel, Front Ass'y
5		SNE4021	Nut, Volume, Rec Selector, Input Selector Balance, Treble Bass, Speakers
6		SUS123-1	Spring, Range, Meter, Subsonic Filter, Phono High Filter & Loudness Switch
7		SBC197	Button, Range, Meter, Subsonic Filter, Phono High Filter & Loudness Switch
8		SYE545	Bracket, Fluorescent Peak-Power Meters
9		SBD19	Button, Power Switch
10		XCJ6P218-A	Jack, Headphones
11		SNE59-1	Washer, Headphones Jack
12		SJS5409	Connector, 4 pin
13		ESA3310	Wire, Remote Control Switch
14		ESA339	Wire, Remote Control Switch
15		SJF3029	Terminal, Input
16		SJF8013-1	Terminal, Speakers
17		ESA2073	Wire, Remote Control Switch
18 [E]		SGP1670A	Rear Panel
18 [XE, EG, XGH]		SGPU8055E	Rear Panel, SGP1670A with Name Plate (SGT18330)
18 [XAL]		SGPU8055L	Rear Panel, SGP1670-1A with Name Plate (SGT18350)
18 [X, XA]		SGP1650-1A	Rear Panel
19 [X, XA] only	⚠	SJSA66-1	Socket, AC Outlet
20 [E, X, XA, EG, XGH, XGF, EB]		SHR127	
20 [XE]		SHR129	
20 [XAL]		SHR131	
21 [E, EG, XGH, XGF, EB]	⚠	RJA23Z	
21 [X, XA]	⚠	SJA97	
21 [XE]	⚠	RJA45Z	
21 [XAL]	⚠	QFC120	
22		SHS6107	
22 [X, XA] only		SHS6109	
23		SKA104	
24		SKLA7-1	
25		SYU189	
26		SUV337	
27		ESA2342	
28		SHS6107	
29		RJS31-1	
30		SHG1525	



Ref. No.		Part No.	Part Name & Description
20 [E, X, XA, EG, XGH, XGF, EB]		SHR127	Bushing, AC Cord
20 [XE]		SHR129	Bushing, AC Cord
20 [XAL]		SHR131	Bushing, AC Cord
21 [E, EG, XGH, XGF, EB]	△	RJA23ZC	AC Cord, with Pulg
21 [X, XA]	△	SJA97	AC Cord, with Pulg
21 [XE]	△	RJA45ZC	AC Cord
21 [XAL]	△	QFC1207M	AC Cord, with Pulg
22		SHS6107	Cloth, Protector
22 [X, XA] only		SHS6109	Cloth, Protector
23		SKA10414	Cabinet
24		SKLA7-1	Foot, Set
25		SYU189-1	Bottom Board
26		SUV337	Cover, Speaker Fuses
27		ESA23426	Remote Control Switch, Speakers
28		SHS6101-1	Cloth, Protector
29		RJS31-1	Socket, DIN (REC/PLAY)
30		SHG1529	Rubber Cushion, FL Peak-Power Meter Bracket

Ref. No.		Part No.	Part Name & Description
SCREWS and WASHERS			
50		XTB3+8BFZ	Screw, Speaker Terminal, Input Terminal, & Fuse Cover M'tg
51		XSN3+8S	Screw, FL Peak-Power Meters Bracket M'rg
		XWA3	Washer (Spring), FL Peak-Power Meters Bracket Screw
		XWG3	Washer, FL Peak-Power Meters Bracket Screw
52		XTB3+8B	Screw, Front Panel M'tg
		XWC3B	Washer, Front Panel Screw
53		XSN3+6FZS	Screw, Voltage Adjuster Switch M'tg
		XWA3BFZ	Washer (Spring) Voltage Adjuster Switch Screw
54		XNSS12	Nut, Headphones Jack M'tg
55		XTN3+10B	Screw, Bottom Board M'tg
		XWG3	Washer, Bottom Board Screw
56		XTB4+10FZ	Screw, Power Source Transformer M'tg
		XWA4FZ	Washer (Spring), Power Source Transformer Screw
		XWG4FZ	Washer, Power Source Transformer Screw
57		XTB4+8FFN	Screw, Cabinet M'tg
58		XTB3+8BFN	Screw, Cabinet M'tg
		XWC3B	Washer, Cabinet Screw
59		XTB3+16B	Screw, Set Foot M'tg
60		XTB3+8FZ	Screw, Rear Panel and DIN Socket M'tg
		XWC3FZ	Washer, Rear Panel and DIN Socket Screw

■ REPLACEMENT PARTS LIST ..... Electric Parts

NOTES : 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2. △ indicates that only parts specified by the manufacturer be used for safety.

Ref. No.		Part No.	Part Name & Description
INTEGRATED CIRCUITS			
IC201		SVINJM4559DS	IC, Tone Amplifier
IC401, 402		SVISTK0050N	IC, Power Amplifier
IC601, 602		SVIBA663	IC, FL Comparator
TRANSISTORS			
Q101, 102		2SA978-G	Transistor, PHONO Input Amplifier
Q103, 104		2SC1815-Y	Transistor, Equalizer Amplifier
Q105, 106		2SA1015-O	Transistor, Equalizer Amplifier (Use in ranks Y or O)
Q401, 402		2SA798A-G2	Transistor, Differential Amplifier (Use in ranks F2 or G2)
Q403, 404		**2SC1328-T**	Transistor, Current Mirror (Use in ranks S, T or U)
Q407, 408		2SC1815-Y	Transistor, Emitter Follower
Q409, 410		2SC1885-R	Transistor, Pre Drive Amplifier (Use in ranks Q, R or S)
Q411, 412		**2SA666AI-R**	Transistor, Current Stabilizer (Use in ranks P, Q or R)
Q501		2SD762-Q	Transistor, Regulator (Use in ranks Q or R)
Q502		2SA684NCE-R	Transistor, Regulator (Use in ranks Q or R)
Q503, 504		2SC1815-Y	Transistor, Muting Switching
Q601, 602, 603, 604		**2SC1328-T**	Transistor, Meter Range Switching (Use in ranks S, T or U)
Q605		**2SA666AI-R**	Transistor, Meter Range Switching (Use in ranks P, Q or R)
DIODES			
D101		SVDMZL312B	Diode, 12V Zener
D401, 402, 403, 404		MA150	Diode, Input Limiter
D407, 408		SVDMA26-1	Diode, Current Mirror
D405		SVDMZ314B	Diode, 14V Zener
D501, 502, 503, 504	△	SVDS3V20	Rectifier
D505, 506		SVDMZ320B	Diode, 20V Zener
D509	△	SVD10E1	Rectifier
D510, 511		MA150	Diode, Switching
D601, 602		OA99	Diode, Detector
COILS and TRANSFORMER			
L401, 402		SLQY15G-3U	Coil, Power Amplifier Output
T1	△	SLT5P159	Transformer, Power Source
COMPONENT COMBINATIONS			
Z401, 402	△	ERF5GEKR33N	Non-Flammable Resistor, 0.33Ω (X2) 5W
Z501		EXRFS203ZS	0.01μF (X2), Rectifier
VARIABLE RESISTORS			
R213, 214, 221, 222		EWK32F25C15S	Treble & Bass Control, 100kΩ (C)
R307, 308		EWF2LA028BF5	Volume Control, 250kΩ (B)
R309		EVH63F25G25S	Balance Control, 200kΩ (G)
R413, 414		**EVLS3AA00B13**	DC Unbalance Adjustment, 1kΩ (B)
R617, 618		**EVLS3AA00B13**	Meter Level Adjustment, 1kΩ (B)
R628		**EVLS3AA00B14**	Meter Level Adjustment, 10kΩ (B)
FUSES			
F2, 3	△	XBA2C31SS0	Fuse, 3.15A (250V), Speaker Circuit
F4	△	XBAS2C25T1A	Fuse, T2.5A (250V), Primary
F5	△	XBA2C12TR0	Fuse, T1.25A (250V), Primary
SWITCHES			
S1, 2		ESA2682	Switch, Input & Recording Selector
S3, 4		SSH257	Switch, High Filter & Loudness
S5, 6		SSH253	Switch, Phono Selector & Subsonic Filter
S7, 8		SSH257	Switch, Meter Range & Bright/Dimmer
S9		ESA273	Switch, Speakers
S10	△	ESL21182	Switch, Power Source
S11	△	ESE37200	Switch, Voltage Adjuster

Ref. No.		Part No.	Part Name & Description		
METER					
		SAD24A17YS	Meter, Fluorescent Peak-Power		
RESISTORS					
R101, 102		**ERD25TJ224**	Carbon,	220kΩ,	1/4W, ± 5%
R103, 104		**ERD25TJ101**	Carbon,	100Ω,	1/4W, ± 5%
R105, 106		**ERD25TJ470**	Carbon,	47Ω,	1/4W, ± 5%
R107, 108		**ERD25TJ563**	Carbon,	56kΩ,	1/4W, ± 5%
R109, 110		**ERD25TJ393**	Carbon,	39kΩ,	1/4W, ± 5%
R111, 112		**ERD25TJ821**	Carbon,	820Ω,	1/4W, ± 5%
R113, 114		**ERD25TJ153**	Carbon,	15kΩ,	1/4W, ± 5%
R115, 116		**ERD25TJ123**	Carbon,	12kΩ,	1/4W, ± 5%
R117, 118		**ERD25TJ182**	Carbon,	1.8kΩ,	1/4W, ± 5%
R119, 120		**ERD50TJ222**	Carbon,	2.2kΩ,	1/2W, ± 5%
R121, 122		**ERD25TJ100**	Carbon,	10Ω,	1/4W, ± 5%
R123, 124		**ERD25TJ151**	Carbon,	150Ω,	1/4W, ± 5%
R125, 126		**ERD25TJ333**	Carbon,	33kΩ,	1/4W, ± 5%
R127, 128		**ERD25TJ473**	Carbon,	47kΩ,	1/4W, ± 5%
R131, 132		ERO25CKG9102	Metal Film,	91kΩ,	1/4W, ± 5%
R133, 134		ERO25CKG6801	Metal Film,	6.8kΩ,	1/4W, ± 5%
R135, 136		**ERD25TJ122**	Carbon,	1.2kΩ,	1/4W, ± 5%
R137, 138		**ERD25TJ104**	Carbon,	100kΩ,	1/4W, ± 5%
R139		**ERD25TJ332**	Carbon,	3.3kΩ,	1/4W, ± 5%
R140		**ERD25TJ561**	Carbon,	560Ω,	1/4W, ± 5%
R141, 142	△	ERD25FJ390	Carbon,	39Ω,	1/4W, ± 5%
R143, 144		**ERD25TJ470**	Carbon,	47Ω,	1/4W, ± 5%
R201, 202		**ERD25TJ824**	Carbon,	820kΩ,	1/4W, ± 5%
R203, 204		**ERD25TJ224**	Carbon,	220kΩ,	1/4W, ± 5%
R205, 206		**ERD25TJ561**	Carbon,	560Ω,	1/4W, ± 5%
R207, 208		**ERD25TJ683**	Carbon,	68kΩ,	1/4W, ± 5%
R209, 210		**ERD25TJ474**	Carbon,	470kΩ,	1/4W, ± 5%
R211, 212		**ERD25TJ562**	Carbon,	5.6kΩ,	1/4W, ± 5%
R215, 216		**ERD25TJ122**	Carbon,	1.2kΩ,	1/4W, ± 5%
R219, 220		**ERD25TJ273**	Carbon,	27kΩ,	1/4W, ± 5%
R223, 224		**ERD25TJ392**	Carbon,	3.9kΩ,	1/4W, ± 5%
R225, 226		**ERD25TJ564**	Carbon,	560kΩ,	1/4W, ± 5%
R227, 228		**ERD25TJ393**	Carbon,	39kΩ,	1/4W, ± 5%
R301, 302		**ERD25TJ472**	Carbon,	4.7kΩ,	1/4W, ± 5%
R303, 304		**ERD25TJ102**	Carbon,	1kΩ,	1/4W, ± 5%
R305, 306		**ERD25TJ273**	Carbon,	27kΩ,	1/4W, ± 5%
R313, 314		**ERD25TJ104**	Carbon,	100kΩ,	1/4W, ± 5%
R315, 316		**ERD25TJ104**	Carbon,	100kΩ,	1/4W, ± 5%
R317, 318		**ERD25TJ394**	Carbon,	390kΩ,	1/4W, ± 5%
R319, 320		**ERD25TJ104**	Carbon,	100kΩ,	1/4W, ± 5%
R321, 322		**ERD25TJ472**	Carbon,	4.7kΩ,	1/4W, ± 5%
R323, 324		**ERD25TJ472**	Carbon,	4.7kΩ,	1/4W, ± 5%
R401, 402		**ERD25TJ152**	Carbon,	1.5kΩ,	1/4W, ± 5%
R403, 404		**ERD25TJ103**	Carbon,	10kΩ,	1/4W, ± 5%
R405, 406		**ERD25TJ122**	Carbon,	1.2kΩ,	1/4W, ± 5%
R407, 408		**ERD25TJ471**	Carbon,	470Ω,	1/4W, ± 5%
R409, 410		**ERD25TJ122**	Carbon,	1.2kΩ,	1/4W, ± 5%
R411, 412		**ERD25TJ561**	Carbon,	560Ω,	1/4W, ± 5%
R415, 416	△	ERD25FJ102	Carbon,	1kΩ,	1/4W, ± 5%
R417, 418		**ERD25TJ682**	Carbon,	6.8kΩ,	1/4W, ± 5%
R419, 420		**ERD25TJ103**	Carbon,	10kΩ,	1/4W, ± 5%
R421, 422	△	ERD25FJ330	Carbon,	33Ω,	1/4W, ± 5%
R423, 424	△	ERD25FJ222	Carbon,	2.2kΩ,	1/4W, ± 5%
R425, 426	△	ERD25FJ332	Carbon,	3.3kΩ,	1/4W, ± 5%
R427, 428		**ERD25TJ224**	Carbon,	220kΩ,	1/4W, ± 5%
R429, 430	△	ERD50FJ100	Carbon,	10Ω,	1/2W, ± 5%
R431, 432		**ERD25TJ824**	Carbon,	820kΩ,	1/4W, ± 5%
R433, 434		**ERG2ANJ331**	Metal Oxide,	330Ω,	2W, ± 5%
R435	△	ERD25FJ222	Carbon,	2.2kΩ,	1/4W, ± 5%
R436	△	ERD25FJ470	Carbon,	47Ω,	1/4W, ± 5%
R437, 438		**ERD25TJ272**	Carbon,	2.7kΩ,	1/4W, ± 5%
R439		**ERD25TJ472**	Carbon,	4.7kΩ,	1/4W, ± 5%
R440		**ERD25TJ123**	Carbon,	12kΩ,	1/4W, ± 5%
R441, 442	△	ERD25FJ100	Carbon,	10Ω,	1/4W, ± 5%
R443, 444		**ERX1ANJ8R2**	Metal Film,	8.2Ω,	1W, ± 5%
R501		**ERG1ANJ560**	Metal Oxide,	56Ω,	1W, ± 5%
R502	△	ERD50FJ181	Carbon,	180Ω,	1/2W, ± 5%
R503, 504	△	ERD25FJ152	Carbon,	1.5kΩ,	1/4W, ± 5%
R505		**ERD25TJ102**	Carbon,	1kΩ,	1/4W, ± 5%
R506		**ERD25TJ152**	Carbon,	1.5kΩ,	1/4W, ± 5%

Ref. No.		Part No.	Part Name & Description
R507, 508		**ERD25TJ101**	Carbon, 100Ω, 1/4W, ± 5%
R509, 510	⚠	ERD25FJ222	Carbon, 2.2kΩ, 1/4W, ± 5%
R511		**ERG1ANJ152**	Metal Oxide, 1.5kΩ, 1W, ± 5%
R512		**ERD25TJ124**	Carbon, 120kΩ, 1/4W, ± 5%
R513		**ERD25TJ683**	Carbon, 68kΩ, 1/4W, ± 5%
R514		**ERD25TJ224**	Carbon, 220kΩ, 1/4W, ± 5%
R515		**ERD25TJ683**	Carbon, 68kΩ, 1/4W, ± 5%
R516		**ERD25TJ471**	Carbon, 470Ω, 1/4W, ± 5%
R517		**ERD25TJ101**	Carbon, 100Ω, 1/4W, ± 5%
R518		**ERD25TJ103**	Carbon, 10kΩ, 1/4W, ± 5%
R519	⚠	ERD18FAJ2R2	Carbon, 2.2Ω, 1/8W, ± 5%
R520	⚠	ERD25FJ100	Carbon, 10Ω, 1/4W, ± 5%
R601, 602		**ERD25TJ393**	Carbon, 39kΩ, 1/4W, ± 5%
R603, 604		**ERD25TJ103**	Carbon, 10kΩ, 1/4W, ± 5%
R605, 606		**ERD25TJ104**	Carbon, 100kΩ, 1/4W, ± 5%
R607, 608		**ERD25TJ104**	Carbon, 100kΩ, 1/4W, ± 5%
R609, 610		**ERD25TJ182**	Carbon, 1.8kΩ, 1/4W, ± 5%
R611, 612		**ERD25TJ223**	Carbon, 22kΩ, 1/4W, ± 5%
R613, 614		**ERD25TJ123**	Carbon, 12kΩ, 1/4W, ± 5%
R615, 616		**ERD25TJ331**	Carbon, 330Ω, 1/4W, ± 5%
R619, 620		**ERD25TJ824**	Carbon, 820kΩ, 1/4W, ± 5%
R621, 622		**ERD25TJ101**	Carbon, 100Ω, 1/4W, ± 5%
R623		**ERD25TJ103**	Carbon, 10kΩ, 1/4W, ± 5%
R624	⚠	ERD25FJ181	Carbon, 180Ω, 1/4W, ± 5%
R626		**ERD25TJ682**	Carbon, 6.8kΩ, 1/4W, ± 5%
R627		ERD25TJ222	Carbon, 2.2kΩ, 1/4W, ± 5%

CAPACITORS

C1, 2	⚠	ECKDHS103SE2	Ceramic, 0.01μF, 450VAC,
C101, 102		ECCD1H470K	Ceramic, 47pF, 50V, ±10%
C103, 104		ECEA50M3R3SE	Electrolytic, 3.3μF, 50V
C105, 106		ECKD1H222MD	Ceramic, 0.0022μF, 50V, ±20%
C107, 108		ECKD1H471KB	Ceramic, 470pF, 50V, ±10%
C109, 110		ECCD1H390K	Ceramic, 39pF, 50V, ±10%
C111, 112		**ECEA1AS221**	Electrolytic, 220μF, 10V
C113, 114		**ECEA10Z47**	Electrolytic, 47μF, 10V
C115, 116		**ECEA1CS330**	Electrolytic, 33μF, 16V
C117, 118		ECQM1H393JZ	Polyester, 0.039μF, 50V, ± 5%
C119, 120		ECQM1H103JZ	Polyester, 0.01μF, 50V, ± 5%
C121, 122		ECQM1H102KZ	Polyester, 0.001μF, 50V, ± 5%
C123, 124	⚠	**ECEA25N4R7**	Non-Polar Electrolytic, 4.7μF, 25V
C125, 126	⚠	**ECEA50NR47**	Non-Polar Electrolytic, 0.47μF, 50V
C129		**ECEA1ES470**	Electrolytic, 47μF, 25V
C130		**ECEA1ES221**	Electrolytic, 220μF, 25V
C131, 132		**ECEA1ES471**	Electrolytic, 470μF, 25V
C201, 202		ECQM1H333KZ	Polyester, 0.033μF, 50V, ±10%
C203, 204		**ECEA50Z1**	Electrolytic, 1μF, 50V
C205, 206		ECCD1H390K	Ceramic, 39pF, 50V, ±10%
C207, 208		ECCD1H330K	Ceramic, 33pF, 50V, ±10%
C209, 210		**ECEA50Z3R3**	Electrolytic, 3.3μF, 50V
C213, 214	⚠	**ECEA16N10**	Non-Polar Electrolytic, 10μF, 16V
C215, 216		ECQM1H272KZ	Polyester, 0.0027μF, 50V, ±10%
C217, 218		ECQM1H183KZ	Polyester, 0.018μF, 50V, ±10%
C219, 220		ECQM1H123KZ	Polyester, 0.012μF, 50V, ±10%

Ref. No.		Part No.	Part Name & Description
C221, 222		ECQM1H683KZ	Polyester, 0.068μF, 50V, ±10%
C223, 224	⚠	ECEA50N2R2	Non-Polar Electrolytic, 2.2μF, 50V
C225, 226		**ECEA1ES331**	Electrolytic, 330μF, 25V
C301, 302		ECQM1H103KZ	Polyester, 0.01μF, 50V, ±10%
C401, 402		ECKD1H331KB	Ceramic, 330pF, 50V, ±10%
C403, 404		ECCD1H470K	Ceramic, 47pF, 50V, ±10%
C405, 406		ECKD1H681KB	Ceramic, 680pF, 50V, ±10%
C409, 410		ECCD1H100K	Ceramic, 10pF, 50V, ±10%
C411, 412		ECKD1H102MD	Ceramic, 0.001μF, 50V, ±20%
C413, 414		ECCD2H470K	Ceramic, 47pF, 500V, ±10%
C415, 416		ECKD1H103MD	Ceramic, 0.01μF, 50V, ±20%
C417, 418		ECCD2H101K	Ceramic, 100pF, 500V, ±10%
C419, 420		ECCD2H181K	Ceramic, 180pF, 500V, ±10%
C421, 422		**ECEA1HS100**	Electrolytic, 10μF, 50V
C423, 424		ECCD1H020C	Ceramic, 2pF, 50V, ±0.25pF
C425, 426		ECCD2H330K	Ceramic, 33pF, 500V, ±10%
C427, 428		ECQM1H472KZ	Polyester, 0.0047μF, 50V, ±10%
C429		**ECEA1HS100**	Electrolytic, 10μF, 50V
C430		**ECEA1HS101**	Electrolytic, 100μF, 50V
C431, 432		ECQM1H104KZ	Polyester, 0.1μF, 50V, ±10%
C433, 434		ECQM1H104KZ	Polyester, 0.1μF, 50V, ±10%
C501, 502		ECET50R822	Electrolytic, 8200μF, 50V
C503, 504		**ECEA1VS221**	Electrolytic, 220μF, 35V
C505, 506		**ECEA1ES470**	Electrolytic, 47μF, 25V
C507, 508		**ECEA1JS330**	Electrolytic, 33μF, 63V
C509		**ECEA1HS470**	Electrolytic, 47μF, 50V
C601, 602		**ECEA50ZR1**	Electrolytic, 0.1μF, 50V
C603, 604		**ECEA50Z2R2**	Electrolytic, 2.2μF, 50V
C605, 606		**ECEA50Z1**	Electrolytic, 1μF, 50V
C607, 608		**ECEA1CS330**	Electrolytic, 33μF, 16V

ACCESSORIES

A1	⚠	XBA2C31SS0	Fuse, 3.15A (250V) Speaker Circuit
A2 [X, XA] only	⚠	SJP5213-1	Plug Adapter, AC Power
A3 [X, XA] only	⚠	SJP5215	Plug Adapter, AC Power

PACKING PARTS

P1	SPP575	Polyethylene Bag
P2 [X, XA, XAL]	SPS1967	Pad, Left Side
P2	SPS1967-1	Pad, Left Side
P3 [X, XA, XAL]	SPS1969	Pad, Right Side
P3	SPS1969-1	Pad, Right Side
P4 [E]	SPG1783	Carton Box
P4 [XE, EG, XGH, EB]	SPG1833	Carton Box
P4 [X, XA]	SPG1835	Carton Box
P4 [XAL]	SPG1837	Carton Box
P4 [XGF]	SPG1781	Carton Box
P5 [E, EG, XGH, XGF, EB]	SQF10079	Instructions Book, Printed Matter
P5 [X, XA, XE, XAL]	SQF10081	Instructions Book, Printed Matter

Notes:
* (X) and (XA) are available in Asia, Latin America, Middle East and Africa only.
* (XAL) is available in Australia only.
* (XGH) is available in Holland only.
* (E) and (EG) are available in Scandinavia and European only.
* (EB) is available in Belgium only.
* (XGF) is available in France only.
* (XE) is available in United Kingdom only.

■ CHANGE OF PARTS LIST

SU-8055K

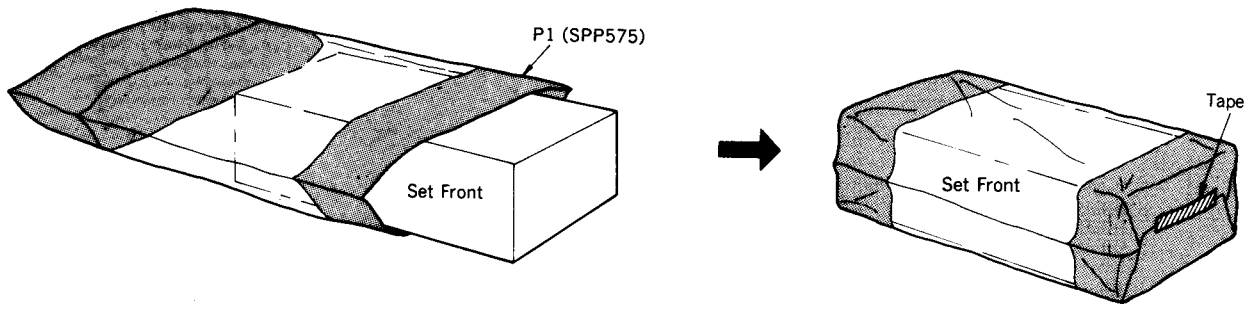
(X), (XA), (XAL), (XGH), (E), (EG), (EB)

NO Note: This parts list included only the changes of the model SU-8055 parts list.

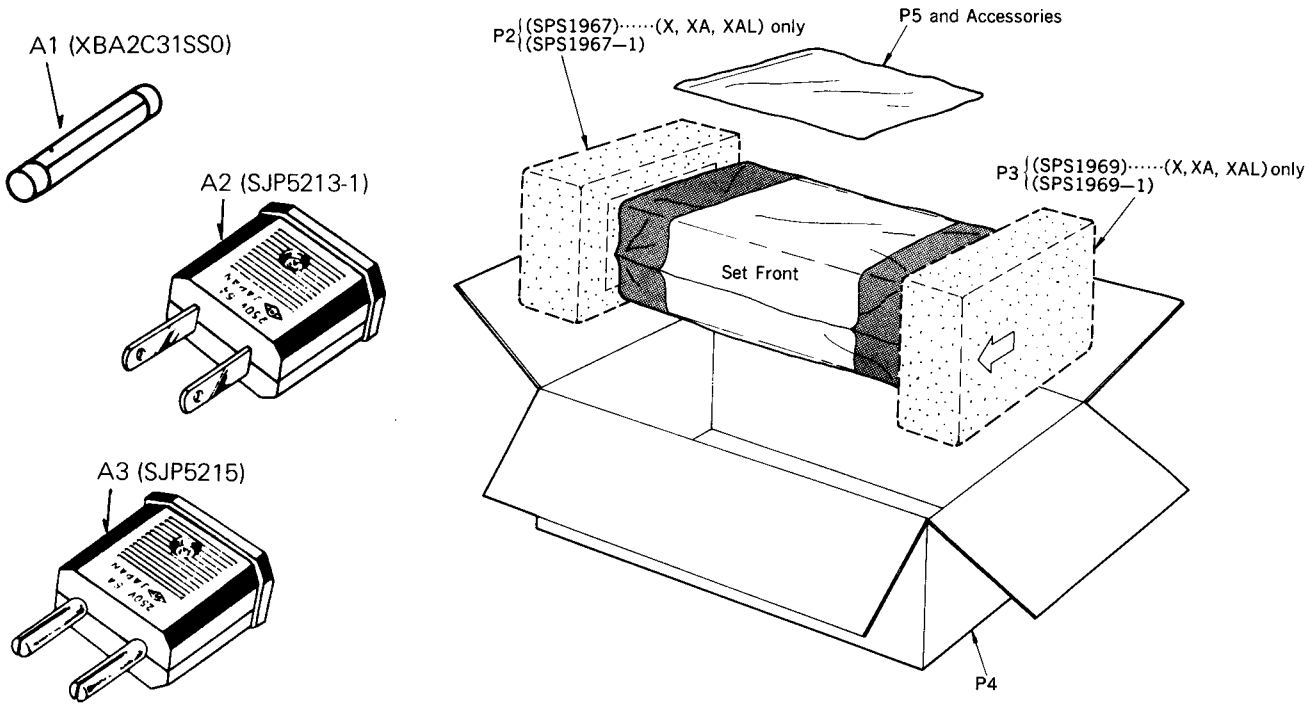
Ref. No.	Change of Part No. SU-8055 → SU-8055K		Part Name Description
	CABINET and CHASSIS PARTS		
1	SBN821	SBN827	Knob, Volume
2	SBN823	SBN829	Knob, Rec Selector & Input Selector
3	SBN825	SBN831	Knob, Speakers Selector, Bass, Treble & Balance
4	SGWU8055D	SGWU8055KE	Panel, Front Ass'y
7	SBC197	SBC197-1	Button, Range, Meter, Subsonic Filter, Phono High Filter & Loudness Switch
8	SYE545	SYE545-1	Bracket, Fluorescent Peak-Power Meters
9	SBD19	SBD19-1	Button, Power Switch

Ref. No.	Change of Part No. SU-8055 → SU-8055K		Part Name Description
18	SGP1670A [E]	SGP1670B [E]	Rear Panel
	SGPU8055E [XE, EG, XGH, XGF, EB]	SGPU8055KD [XGH, EB, EG]	Rear Panel, SGP1670B with Name Plate (SGT19610)
	SGPU8055L [XAL]	SGPU8055KL [XAL]	Rear Panel, SGP1670-1A with Name Plate (SGT19930)
	SGP1650-1A [X, XA]	SGPU8055KX [X, XA]	Rear, Panel, SGP1650-1A with Name Plate (SGT19930)
20	SHR127 [E, X, XA, EG, XGH, XGF, EB]	SHR127 [E, X, XA, EG, EB, XGH]	Bushing, AC Cord
	SHR129 [XE]	SHR131 [XAL]	Bushing, AC Cord
	SHR131 [XAL]		
21	RJA23ZC [E, EG, XGH, XGF, EB]	RJA23ZC [E, EG, XGH, EB]	AC Cord, Power Source
	SJA97 [X, XA]	SJA97 [X, XA]	AC Cord, Power Source
	RJA45ZC [XE]	QFC1207M [XAL]	AC Cord, Power Source
	QFC1207M [XAL]		
23	SKA10414	SKA10418	Cabinet
	SCREWS and WASHERS		
●	XTB4+8FFN	XTB4+8FFZ	Screw, Cabinet M'tg
●	XTB3+8BFN	XTB3+8BFZ	Screw, Cabinet M'tg
	XWC3B	XWC3B	Washer, Cabinet Screw
	PACKING PARTS		
P4	SPG1783 [E]	SPG1963 [E]	Carton Box
	SPG1833 [XE, EG, XGH, XB]	SPG1965 [XGH, EB, EG]	Carton Box
	SPG1835 [X, XA]	SPG2025 [X, XA, XAL]	Carton Box
	SPG1837 [XAL]		
	SPG1781 [XGF]		

■ PACKINGS



■ ACCESSORIES



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